

GCC261K-120

Photovoltaic Storage and Charging Machine Specification

- Using the latest three-level topology circuit, full digital control, and a high degree of intelligence, it has the characteristics of high efficiency, stable operation, safety, and reliability.
- Energy saving and high efficiency: the charging efficiency is greater than 93%, including the charging conversion efficiency of grid, energy storage or photovoltaic to electric vehicles.
- It has over-temperature, over-voltage, over-current, under-voltage and other protection functions, and is also equipped with touch screen display and alarm.
- High security, with one cluster for one management, thereby avoiding safety hazards such as inter-cluster circulation and DC short circuit.
- It can carry out constant current charging, constant voltage charging, equalizing charging and floating charging, and the current and voltage can be continuously adjusted in a large range;
- Easy to install and expand: adopt the integrated design concept, easy to install.

Ark Series Product Rendering



Features



Integrated design

Integrate photovoltaic power generation, energy storage and charging functions, generate electricity for self-use, and reduce electricity costs;



Intelligent linkage

Prioritize the consumption of photovoltaic green electricity, store/connect the surplus electricity to the grid, and improve the utilization rate of clean energy;



Fast charging compatible

Supports dual-vehicle fast charging at the same time, suitable for mainstream models, and the peak power of a single machine reaches 100KW+;



Expansion Design

Energy storage units can be expanded in parallel to flexibly match the needs of different scenarios such as shopping malls and parks;



Energy efficiency optimization

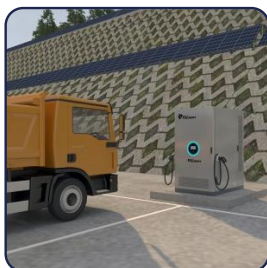
Dynamically adjust the charging and discharging strategy to achieve automatic switching of multiple modes such as peak-valley arbitrage and demand management;



Safety protection

Ip55 protection + air cooling, equipped with multiple safety mechanisms such as arc detection and insulation monitoring;

Application



Large Mining Sites :
for charging trucks



Large Industrial Parks / Enterprises :
for charging company commuter
vehicles and logistics/delivery fleets



Transportation hubs
and expressway service areas

Technical Parameters

Nominal capacity	261kWh
Battery voltage range	728~949Vdc
Input power	125kW
PV input power	100kW
Charging power	120kW
Input voltage	400±15%VAC
Photovoltaic input voltage	200~700Vdc
Charging output voltage	200~1000 Vdc
Number of charging guns	2
Operating frequency	50Hz
Battery charge rate	0.5C
Battery discharge rate	0.5C
Depth of discharge	≤95%
Nominal voltage	3.2V
Grouping	1P52S
Pack voltage	166.4V
PACK weight	350kg
Cycles	>6000次
Operating temperature	-20~+50℃
Noise	<65db
Protection level	Ip54
Cell type	3.2V/314Ah
Pack nominal energy	52.2kWh
Overall machine size	1600*1400*2300
The weight of the whole	3t